

AMENDMENTS TO THE CLAIMS

(IN REVISED FORMAT COMPLIANT WITH THE PROPOSED

REVISION TO 37 CFR 1.121)

1. (CURRENTLY AMENDED) An apparatus comprising:

a first circuit configured to present a parallel output data signal in response to (i) a selected phase of a first clock signal and (ii) two or more serial data signals; and

5 a second circuit configured to present said two or more serial data signals and said first clock signal in response to (i) a second clock signal and (ii) a parallel input data signal.

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5. (PREVIOUSLY PRESENTED) The apparatus according to claim 4, wherein said first circuit further comprises:

a phase comparator circuit configured to generate said phase select signal in response to said one or more select signals and a first of said two or more serial data signals.

6. (ORIGINAL) The apparatus according to claim 4, wherein said third circuit comprises a phase generation and select circuit.

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7. (PREVIOUSLY PRESENTED) The apparatus according to claim 5, wherein said first circuit includes a deserializer circuit configured to generate said parallel output data signal in response to said selected clock signal and a second of said two or more serial data signals.

8. (PREVIOUSLY PRESENTED) The apparatus according to claim 7, wherein said first circuit further comprises:

a multiplexer configured to generate (i) said first of said two or more serial data signals and (ii) said second of said two or more serial data signals, in response to said two or more serial data signals.

9. (CURRENTLY AMENDED) A circuit comprising:

means for generating a parallel output data signal in response to (i) a selected phase a first clock signal and (ii) two or more serial data signals; and

5 means for generating said two or more serial data signals and said first clock signal in response to (i) a second clock signal and (ii) a parallel input data signal.

10. (CURRENTLY AMENDED) A method for controlling a pulse width in a phase and/or frequency detector comprising the steps of:

Cont
B'
5 (A) generating a parallel output data signal in response to (i) a selected phase of a first clock signal and (ii) two or more serial data signals; and

(B) generating said two or more serial data signals and said first clock signal in response to (i) a second clock signal and (ii) a parallel input data signal, wherein said first clock signal is configured to control said pulse width.

11. (ORIGINAL) The method according to claim 10, wherein said first clock signal comprises a bit clock signal.

12. (ORIGINAL) The method according to claim 10, wherein said second clock signal comprises a reference clock signal.

13. (ORIGINAL) The method according to claim 10, wherein step (A) further comprises the sub-step of:

generating (i) one or more select signals and (ii) a selected clock signal in response to (i) said first clock signal and (ii) a phase select signal.

14. (PREVIOUSLY PRESENTED) The method according to claim 13, wherein step (A) further comprises the sub-step of:

generating said phase select signal in response to said one or more select signals and a first of said two or more serial data signals.

15. (PREVIOUSLY PRESENTED) The method according to claim 14, wherein step (A) further comprises the sub-step of:

generating said parallel output data signal in response to said selected clock signal and a second of said two or more serial data signals.

16. (PREVIOUSLY PRESENTED) The method according to claim 15, further comprising the step of:

generating said first of said two or more serial data signals and said second of said two or more serial data signals, in response to said two or more serial data signals.

17-20 (CANCELED)

Please add the following new claims:

21. (NEW) The apparatus according to claim 1, wherein said selected phase of said first clock signal is selected in response to a phase selection circuit.

22. (NEW) The apparatus according to claim 1, wherein:
a phase generation circuit is configured to generate a plurality of phases of said first clock signal.
